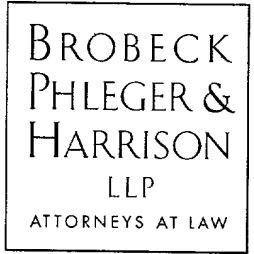


04/23/01



PHONE: (202) 220-6000
FAX: (202) 220-5200



INTELLECTUAL PROPERTY DEPARTMENT
1333 H STREET, N.W.
SUITE 800
WASHINGTON, D.C. 20005

U.S. PTO
09/839536
04/23/01

April 23, 2001

UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket Number: **031676.0212**
First Named Inventor: **Kirk Emil APT et al**
Title: **TROPHIC CONVERSION OF OBLIGATE PHOTOTROPHIC ALGAE THROUGH METABOLIC ENGINEERING**

TO: **BOX PATENT APPLICATION**
Commissioner for Patents
Washington, D.C. 20231

Sir:

Attached are the following for filing with the U.S. Patent and Trademark Office:

- 1. Fee Transmittal Form (original and duplicate)
- 2. Specification - Total Pages: 54 (Including Abstract)

CLAIMS AS FILED						
	Claims Filed	Basic Fee Claims	Extra	Rate		Amount
				Large Entity	Small Entity	
Total Claims	22	20	2	\$ 18.00	\$ 9.00	\$18.00
Independent Claims	5	3	2	\$ 80.00	\$ 40.00	\$80.00
First Presentation of Multiple Dependent Claims				\$ 270.00	\$ 135.00	\$
BASIC FEE				\$ 710.00	\$ 355.00	\$355.00
TOTAL FILING FEE						\$453.00

- 3. Drawings - Total Sheets: 6 (Fig(s). 1-7)
- 4. Oath or Declaration - Total Pages: 3
 - a. Newly executed (original or copy)
 - New (unexecuted)
 - b. Copy from a prior application
(for continuation/divisional with Box 17 completed)

FOR OFFICIAL USE ONLY

- i. DELETION OF INVENTOR(s):
Signed statement attached deleting inventor(s) named in prior application.

- 5. Incorporation By Reference (useable if Box 4b is marked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

- 6. Microfiche Computer Program (Appendix)

- 7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. Computer Readable Copy
 - b. Paper Copy (identical to computer copy)
 - c. Statement verifying identity of above copies

- 8. Assignment and Assignment Recordation Form

- 9. 37 C.F.R. 3.73(b) Statement Power of Attorney

- 10. English Translation Document (if applicable)

- 11. Information Disclosure Statement with PTO-1449 and References

- Copies of Information Disclosure Statement Citations

- 12. Preliminary Amendment

- 13. Return Receipt Postcard

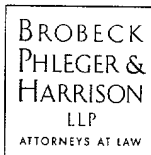
- 14. Small Entity Status Claimed: Independent Inventor
 - Small Business Concern
 - Non-Profit Organization

- Statement Enclosed

- Statement Filed in Prior Application; Status Still Proper and Desired

- 15. Foreign Priority is Claimed as Follows:

- If Foreign Priority is Claimed, Certified Copy of the Above Priority Document(s) is Submitted Herewith



16. Other: _____

17. Continuation Divisional Continuation-in-Part of
Prior Application No.: _____ filed _____

Complete Application Based on Provisional Application No.: 60/198,742
filed April 21, 2000

18. A new power of attorney or authorization of agent (PTO/SB/81) is as follows:

The power of attorney is to: Rodger L. Tate, Reg. No. 27,399; Anthony W. Shaw, Reg. No. 30,104; James Remenick, Reg. No. 36,902; Cono A. Carrano, Reg. No. 39,623; Michael J. Songer, Reg. No. 39,841; Laurence H. Posorske, Reg. No. 34,698; Floyd B. Chapman, Reg. No. 40,555; David J. Kulik, Reg. No. 36,576; Robert A. King, Reg. No. 42,738 and Trevor Q. Coddington, Reg. No. 46,633.

19. Please address all correspondence to:

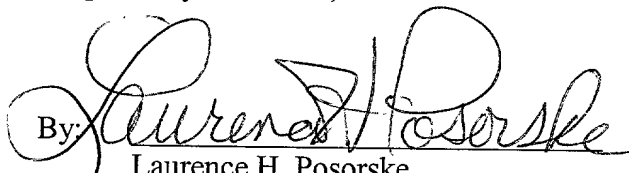
CUSTOMER NUMBER 26118

Laurence H. Posorske
Intellectual Property Department
Brobeck, Phleger & Harrison LLP
1333 H Street, N.W.
Suite 800
Washington, DC 20005

20. A check in the amount of \$ _____ is enclosed. In the event any variance exists between the amount enclosed and the Patent Office charges, please charge or credit any such variance to **Deposit Account No. 50-1640**.

The Commissioner is hereby authorized to charge any variance between the amount enclosed and the Patent Office charges to **Deposit Account No. 50-1640**.

Respectfully submitted,

By: 
Laurence H. Posorske
Registration No. 34,968

LHP:nb
Enclosures

PATENT OFFICE